



The compact filter for the **pharmaceutical** and **chemical** industry.

## COMBINING PERFORMANCE WITH ECONOMY...

Many processes in the pharmaceutical industry produce harmful dusts in high concentrations. Cleanable filter systems are required to facilitate continuous manufacturing processes, preventing regular, expensive filter replacements.

The Camfil Quad Pulse Package PX utilises segmented dedusting of the filter cartridge to provide the following benefits:

- Economical, space-saving dedusting unit requiring just a single primary filter cartridge.
- Dedusting during operation for production process and product quality control.
- Low pressure drop across the filter for energy cost savings.
- Camfil pleated filter technology provides exceptional dust release enabling extended filter service life and reduced filter replacement.

**The Camfil Quad Pulse Package PX –**  
Compact filtration stages for pharmaceutical manufacturing processes:

### Stage 1:

Primary filter with excellent filtration efficiency to remove the majority of the collected dust and prolong the service life of the second stage filter.

### Stage 2:

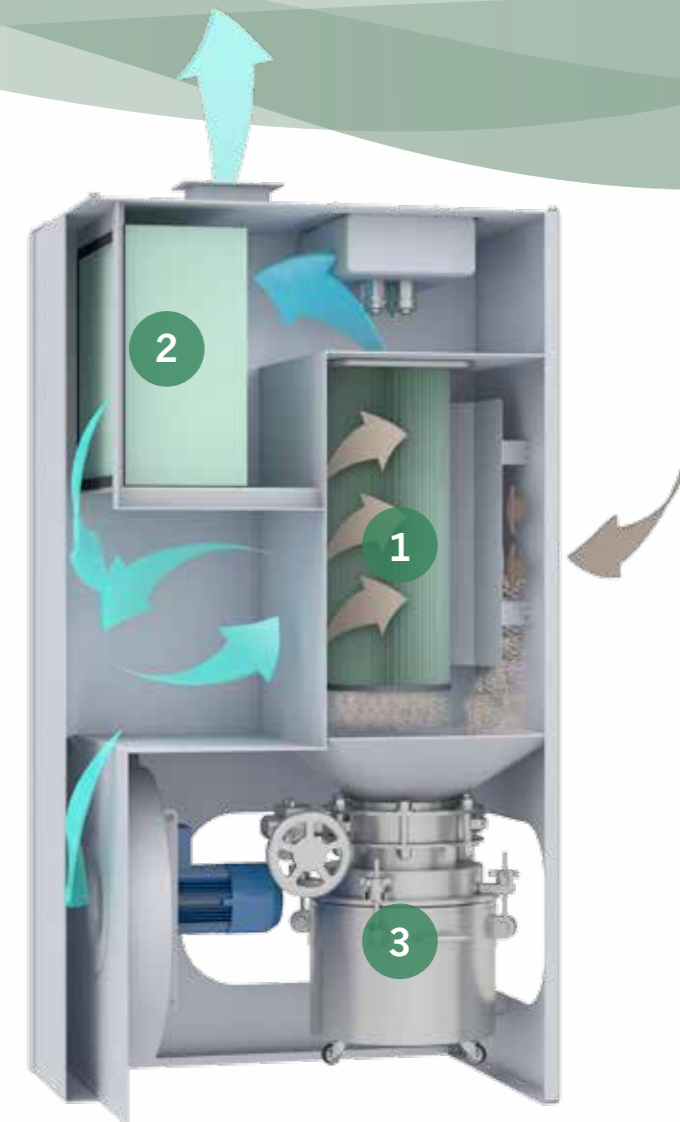
HEPA filter to H14 providing 99.995% filtration efficiency to capture the finest, most harmful dust particles.

### Compact design, small footprint

Space on the production floor and in the plantroom is at a premium. The ATEX compliant explosion protection capabilities of the device enable the Quad Pulse to be conveniently installed with easy access for all maintenance functions.

### High Performance, low noise level

The integrated fan can provide the suction required for each individual application. At the same time the unit is insulated to make it very quiet during operation.



## ... AND FOR THOSE TOXIC DUSTS REQUIRING FULL CONTAINMENT:

### Market leading BiBo (Bag-In / Bag-Out) system over all stages



1

#### BIBO Safe-Change Primary Filter:

Utilises the market-leading Camtain methodology with an antistatic BIBO bag operation, providing a full containment solution to protect workers and prevent cross-contamination.



2

#### BIBO Safe-Change HEPA Filter:

Uses the Camsafe system for uncomplicated BIBO filter change. Ensures full containment of the finest, most harmful dust particles.

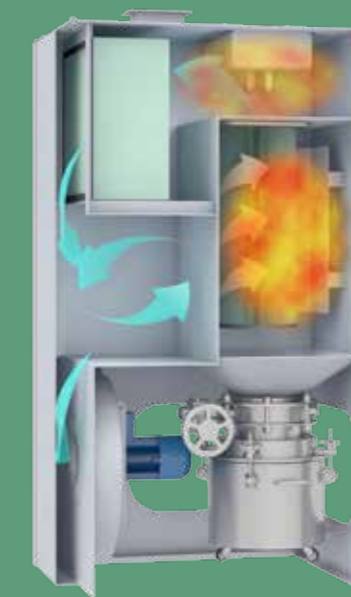


3

#### BIBO Safe-Change Dust Discharge:

A quick and simple operation to remove the collected dust with full containment protection.

### The Quad Pulse construction provides the highest explosion protection in accordance with the ATEX directives



Compact and strong unit construction incorporates a unique HEPA filter design, with specialised materials from the aerospace industry, providing the following key advantages:

- The Quadpulse HEPA filter captures the fine dust particles and is a tested flame and contamination barrier.
- Additional, expensive explosion safety devices are not required.
- The pressure resistant housing maintains its integrity with no damage during an explosion event.
- Compact unit with flexibility for indoor installation reduces the need for long duct runs.

**Camfil Quad Pulse Package PX – provides optimum dedusting performance and safety for a wide range of pharmaceutical manufacturing processes:**

- Mixing & Blending
- Granulation
- Drying
- Coating
- Tableting
- Filling
- Packaging

